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SPEECH COMMAND INPUT RECOGNITION SYSTEM FOR INTERACTIVE  
COMPUTER DISPLAY WITH MEANS FOR CONCURRENT AND MODELESS  
DISTINGUISHING BETWEEN SPEECH COMMANDS AND SPEECH  
QUERIES FOR LOCATING COMMANDS

Abstract

5 A speech recognition system which does not switch  
modes of operation when interpreting speech queries, such  
as help queries, or receiving actual spoken commands.  
The system handles both concurrently and seamlessly in  
10 the same operation mode. The present invention is  
directed to an interactive computer controlled display  
system with speech recognition comprising means for  
predetermining a plurality of speech commands each  
associated with a corresponding plurality of system  
15 actions in combination with means for concurrently  
detecting speech commands and speech queries for locating  
commands. There is also provided means responsive to a  
detected speech command for carrying out the system  
action corresponding to the command, and means responsive  
20 to a detected speech query for attempting to locate  
commands applicable to said query. The system also  
includes means for displaying the detected speech query  
together with means for displaying located commands  
applicable to said query. The system may further include  
25 means responsive to a detected speech query for modifying  
a displayed prior speech query whereby a user may speak a  
displayed located command to activate said means for  
carrying out a system action or speak a query to modify  
said prior query to locate commands other than said  
30 displayed commands without switching between command and  
query modes of speech detection.